

Title (en)

MEASUREMENT OF STRAIN IN AN ADHESIVELY BONDED JOINT INCLUDING MAGNETOSTRICTIVE MATERIAL

Title (de)

DEHNUNGSMESSUNG IN EINER MAGNETORESTRIKTIVES MATERIAL ENTHALTENDEN KLEBSTOFFGEBONDETEN VERBINDUNG

Title (fr)

MESURE DE CONTRAINTE DANS UN JOINT COLLÉ DE MANIÈRE ADHÉSIVE COMPRENANT UN MATÉRIAU MAGNÉTOSTRICTIF

Publication

EP 2310187 B1 20161221 (EN)

Application

EP 09789741 A 20090602

Priority

- US 2009045948 W 20090602
- US 16976808 A 20080709

Abstract (en)

[origin: US2010005896A1] Sensing strain in an adhesively bonded joint includes inducing a strain wave in the joint, and sensing a change in local magnetic characteristics in the joint.

IPC 8 full level

B29C 65/00 (2006.01); **B29C 65/48** (2006.01); **B29C 65/82** (2006.01); **G01B 7/24** (2006.01); **G01L 1/12** (2006.01); **G01N 19/04** (2006.01); **G01N 27/72** (2006.01); **G01N 29/24** (2006.01); **B29K 101/10** (2006.01); **B29K 101/12** (2006.01); **B29K 105/06** (2006.01)

CPC (source: EP US)

B29C 65/4855 (2013.01 - EP US); **B29C 65/8284** (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/45** (2013.01 - EP US); **G01B 7/24** (2013.01 - EP US); **G01L 1/125** (2013.01 - EP US); **G01N 19/04** (2013.01 - EP US); **G01N 27/72** (2013.01 - EP US); **G01N 29/2437** (2013.01 - EP US); **G01R 33/18** (2013.01 - US); **B29C 65/488** (2013.01 - EP US); **B29C 65/489** (2013.01 - EP US); **B29C 66/721** (2013.01 - EP US); **B29K 2101/10** (2013.01 - EP US); **B29K 2101/12** (2013.01 - EP US); **B29K 2105/06** (2013.01 - EP US); **G01N 2203/0244** (2013.01 - EP US); **G01N 2203/0635** (2013.01 - EP US); **G01N 2203/0658** (2013.01 - EP US); **G01N 2291/0231** (2013.01 - EP US); **G01N 2291/02827** (2013.01 - EP US); **G01N 2291/2694** (2013.01 - EP US)

Citation (examination)

- JP H06155583 A 19940603 - HONDA MOTOR CO LTD
- WO 9845703 A1 19981015 - MINNESOTA MINING & MFG [US]
- US 2005217388 A1 20051006 - HEYMAN JOSEPH S [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2010005896 A1 20100114; **US 8250928 B2 20120828**; CA 2721819 A1 20100114; CA 2721819 C 20131217; CN 102076481 A 20110525; CN 104441628 A 20150325; CN 104441628 B 20170517; EP 2310187 A1 20110420; EP 2310187 B1 20161221; EP 2639046 A1 20130918; EP 2639046 B1 20190501; JP 2011527756 A 20111104; JP 5419977 B2 20140219; US 2013081475 A1 20130404; US 8616068 B2 20131231; WO 2010005647 A1 20100114

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